

Gordon Research Conference
Drug Metabolism
Holderness School, Plymouth, New Hampshire
July 15-20, 1990

Chairman: Dr. Sanford K. Figdor, Pfizer Inc., Groton, CT

Vice Chairman: Dr. Gerald T. Miwa, Glaxo, Inc., Research Triangle Park, NC

Monday AM – Chirality –

Session Chairperson: Dr. Irving W. Wainer, St. Jude Children's Research Hospital, Memphis, TN

Speakers:

"Historical Perspective"

Dr. Joseph Gal, University of Colorado, Denver, CO

"Stereochemistry in Sulfoconjugation of Chiral Molecules"

Dr. Thomas Walle, Medical University of South Carolina, Charleston, SC

"Influence of Animal Species on the Stereochemistry of the Metabolism and Disposition of Xenobiotics"

Dr. John Caldwell, St. Mary's Hospital Medical School, London, England

"Effect of Stereochemistry on the Metabolism Disposition and Chemical Efficacy of Enantiomeric Anti-Cancer Drugs"

Dr. Irving W. Wainer, St. Jude Children's Research Hospital, Memphis, TN

Monday PM – Transgenic Animals –

Session Chairperson: Dr. Philip Iannaccone, Northwestern University Medical School, Chicago, IL

Speakers:

"Methotrexate Resistance Genes in Transgenic Mice"

Dr. Jon W. Gordon, Mount Sinai School of Medicine, New York, NY

"Transgenic Mice and Chimeras, Potential for Drug Metabolism Studies"

Dr. Philip Iannaccone, Northwestern University Medical School, Chicago, IL

Tuesday, AM – Pharmacokinetics –

Session Chairperson: Dr. Kathleen M. Giacomini, University of California, San Francisco, CA

Speakers:

"Pharmacokinetics of Drugs Transported by the Renal Organic Cation/Proton Antiporter"

Dr. Kathleen M. Giacomini, University of California, San Francisco, CA

"Pharmacokinetics and Clinical Consequences of Polymorphic Drug Oxidation"

Dr. Grant R. Wilkinson, Vanderbilt University School of Medicine, Nashville, TN

"Valproate, Valpromide: A New Class of Exoxide Hydrolase Inhibitors"

Dr. Rene Levy, University of Washington, Seattle, WA

Tuesday, PM – Xenobiotic Macromolecular Adducts and Sulfonyleurea Herbicide Metabolism –

Session Chairperson: Dr. Nicholas E. Weber, Center for Veterinary Medicine, FDA, Washington, D.C.

Speakers:

"*In Vitro* Studies of the Mechanism of Covalent Binding and Toxicity of Furazolidone"

Dr. Harry A. Kuiper, State Institute for Quality Control of Agricultural Products, Wageningen, The Netherlands

"Comparative Metabolism of Three Sulfonyleurea Herbicides"

Dr. Jeffrey A. Anderson, DuPont, Wilmington, DE

Wednesday, AM – Mass Spectrometric Developments –

Session Chairperson: Dr. Hassan G. Fouda, Pfizer Inc., Groton, CT

Speakers:

"Atmospheric Pressure HPLC Tandem Mass Spectrometry, Drug Metabolism Applications"

Dr. Hassan G. Fouda, Pfizer Inc., Groton, CT

"Mass Spectrometry of Proteins and Peptides"

Dr. T. R. Covey, Sciex, Ontario, Canada

"Identification and Quantitation of Drugs and Metabolites by Ion Trap Mass Spectrometry"

Dr. R. H. Foltz, University of Utah, Salt Lake City, UT

Wednesday, PM – Biosensors –

Session Chairperson: Dr. W. Gregg Miller, Medical College of Virginia, Richmond, VA

Speakers:

"Real Time Determination of Drug Concentrations"

Dr. W. Gregg Miller, Medical College of Virginia, Richmond, VA

"Pharmaceutical Applications of the Silicon Microphysiometer"

Dr. John C. Owicki, Molecular Devices Corp., Menlo Park, CA

Thursday, AM – P-450, Today and Tomorrow –

Session Chairperson: Dr. Shaun D. Black, Ohio State University, Columbus, OH

Speakers:

"Cytochrome P-450: Yet So Many Fundamentals to Discover"

Dr. Shaun D. Black, Ohio State University, Columbus, OH

"Salt, Sex, and Stress: Steroid Hydroxylases and the 90's"

Dr. Michael R. Waterman, University of Texas, Dallas, TX

"Elements of P-450 Structure and Prospects for Rational Drug Design"

Dr. Thomas L. Poulos, University of Maryland, Rockville, MD

Thursday, PM – Keynote Presentation –

"Molecular Biology of the AIDS Virus Relevant to Drug and Vaccine Development"

Dr. William Haseltine, Dana-Farber Cancer Institute, Boston, MA

Friday, AM – Drug Delivery Strategies –

Session Chairperson: Dr. Gerald T. Miwa, Glaxo, Inc., Research Triangle Park, NC

Speakers:

"Testing Drug Targeting Strategies via Pharmacokinetic Modeling: Applications to Small Molecule Targeting via Prodrugs"

Dr. Valentino J. Stella, University of Kansas, Lawrence, KS

"Pharmacokinetics and Pharmacodynamics of Murine Monoclonal Antibody Vinca Alkaloid Conjugates in Patients With Adenocarcinomas"

Dr. Dennis W. Schneck, Lilly Laboratories, Indianapolis, IN